

## WEST Search History

DATE: Tuesday, August 24, 2004

<b>Hide?</b>	<b>Set Name</b>	<b>Query</b>	<b>Hit Count</b>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L11	l4 and chamber	11
<input type="checkbox"/>	L10	l4 and ((CVD chamber) or (PVD chamber))	0
<input type="checkbox"/>	L9	l4 and (CVD or PVD)	2
<input type="checkbox"/>	L8	l4 and (carboxylic acid)	3
<input type="checkbox"/>	L7	l4 and (vaporiz\$ carboxylic acid)	0
<input type="checkbox"/>	L6	L5 and subliming	3
<input type="checkbox"/>	L5	l3 and carboxylic\$	282
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<input type="checkbox"/>	L3	L2 and treating	1187
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<input type="checkbox"/>	L1	end point	101181

END OF SEARCH HISTORY

## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
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### Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20030217824 A1

Using default format because multiple data bases are involved.

L8: Entry 1 of 3

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030217824

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030217824 A1

TITLE: Oil/grease- and water-sizing agent for treatment of cellulose

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bottorff, Kyle J.	New Castle County	DE	US	

US-CL-CURRENT: 162/158

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 2. Document ID: US 6613508 B1

L8: Entry 2 of 3

File: USPT

Sep 2, 2003

US-PAT-NO: 6613508

DOCUMENT-IDENTIFIER: US 6613508 B1

TITLE: Methods and compositions for analyzing nucleic acid molecules utilizing sizing techniques

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ness; Jeffrey Van	Seattle	WA		
Tabone; John C.	Bothell	WA		
Howbert; J. Jeffry	Bellevue	WA		
Mulligan; John T.	Seattle	WA		

US-CL-CURRENT: 435/6

## ABSTRACT:

Tags and linkers specifically designed for a wide variety of nucleic acid reactions are disclosed, which are suitable for a wide variety of nucleic acid reactions wherein separation of nucleic acid molecules based upon size is required.

40 Claims, 48 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 44

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw D
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☐ 3. Document ID: US 5824442 A

L8: Entry 3 of 3

File: USPT

Oct 20, 1998

US-PAT-NO: 5824442

DOCUMENT-IDENTIFIER: US 5824442 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Developing method, image forming method, and heat fixing method, with toner

DATE-ISSUED: October 20, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanikawa; Hirohide	Yokohama			JP
Kawakami; Hiroaki	Yokohama			JP
Fujiwara; Masatsugu	Yokohama			JP
Kato; Kazunori	Mitaka			JP

US-CL-CURRENT: 430/45; 427/203, 427/366, 427/474, 430/120, 430/124, 430/126, 430/47

## ABSTRACT:

A toner for developing electrostatic images has toner particles containing a binder resin and a colorant, and fine titanium oxide particles or fine alumina particles. The surfaces of the fine titanium oxide particles or fine alumina particles have been subjected to an organic treatment and have a methanol wettability half value of 55% or more.

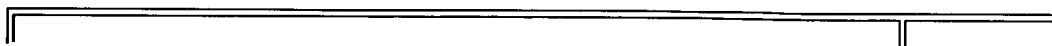
161 Claims, 22 Drawing figures

Exemplary Claim Number: 71,72,73

Number of Drawing Sheets: 20

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw D
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Term	Documents
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ACIDS	785360
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Display Format:

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

## Hit List

**Search Results - Record(s) 1 through 10 of 20 returned.**

☐ 1. Document ID: US 20030217824 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 20

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030217824

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030217824 A1

TITLE: Oil/grease- and water-sizing agent for treatment of cellulose

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bottorff, Kyle J.	New Castle County	DE	US	

US-CL-CURRENT: 162/158

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20030143839 A1

L4: Entry 2 of 20

File: PGPB

Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030143839

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030143839 A1

TITLE: Sealing porous structures

PUBLICATION-DATE: July 31, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Raaijmakers, Ivo	Bilthoven	OR	NL	
Soininen, Pekka T.	Helsinki		FI	
Granneman, Ernst	Hilversum		NL	
Haukka, Suvi	Helsinki		FI	
Elers, Kai-Erik	Portland		US	
Tuominen, Marko	Helsinki		FI	
Sprey, Hessel	Kessel-Lo		BE	

Terhorst, Herbert	Amersfoort	NL
Hendriks, Menso	Soest	NL

US-CL-CURRENT: 438/633; 257/E21.171, 257/E21.579, 257/E21.584, 257/E23.145

## ABSTRACT:

Method and structures are provided for conformal lining of dual damascene structures in integrated circuits, and particularly of openings formed in porous materials. Trenches and contact vias are formed in insulating layers. The pores on the sidewalls of the trenches and vias are blocked, and then the structure is exposed to alternating chemistries to form monolayers of a desired lining material. In exemplary process flows chemical or physical vapor deposition (CVD or PVD) of a sealing layer blocks the pores due to imperfect conformality. An alternating process can also be arranged by selection of pulse separation and/or pulse duration to achieve reduced conformality relative to a self-saturating, self-limiting atomic layer deposition (ALD) process. In still another arrangement, layers with anisotropic pore structures can be sealed by selectively melting upper surfaces. Blocking is followed by a self-limiting, self-saturating atomic layer deposition (ALD) reactions without significantly filling the pores.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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## 3. Document ID: US 20030060030 A1

L4: Entry 3 of 20

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030060030  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030060030 A1

TITLE: Method for processing a wafer and apparatus for performing the same

PUBLICATION-DATE: March 27, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lee, Kwang-Myung	Suwon-si		JP	
Takagi, Mikio	Suwon-si		KR	
An, Jae-Hyuk	Suwon-si		KR	
Chae, Seung-Ki	Seoul		KR	
Kim, Jea-Wook	Seoul		KR	

US-CL-CURRENT: 438/517; 257/E21.226, 257/E21.252

## ABSTRACT:

Disclosed are a method and an apparatus for processing a wafer in manufacturing a semiconductor device and a method and an apparatus for etching a material formed on the wafer, wherein first and second cooling parts adjust an ambient temperature near a plurality of wafers to a first temperature, the wafers are processed by introducing a reaction gas at the first temperature, then, a heating part rapidly

raises the temperature of the atmosphere near the wafers from the first temperature to the second temperature to partially separate by-products produced during the processing, the second temperature is maintained to separate most of the by-products from the wafers, and the processing steps are implemented in-situ within the same space. Accordingly, a native oxide layer formed on several wafers can be etched and the reaction by-products can be removed in-situ in the same chamber so productivity is improved.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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4. Document ID: US 6759325 B2

L4: Entry 4 of 20

File: USPT

Jul 6, 2004

US-PAT-NO: 6759325

DOCUMENT-IDENTIFIER: US 6759325 B2

TITLE: Sealing porous structures

DATE-ISSUED: July 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Raaijmakers; Ivo	Bilthoven			NL
Soininen; Pekka T.	Helsinki			FI
Granneman; Ernst	Hilversum			NL
Haukka; Suvi	Helsinki			FI
Elers; Kai-Erik	Portland	OR		
Tuominen; Marko	Helsinki			FI
Sprey; Hessel	Kessel-Lo			BE
Terhorst; Herbert	Amersfoort			NL
Hendriks; Menso	Soest			NL

US-CL-CURRENT: 438/633; 438/640

ABSTRACT:

Method and structures are provided for conformal lining of dual damascene structures in integrated circuits, and particularly of openings formed in porous materials. Trenches and contact vias are formed in insulating layers. The pores on the sidewalls of the trenches and vias are blocked, and then the structure is exposed to alternating chemistries to form monolayers of a desired lining material. In exemplary process flows chemical or physical vapor deposition (CVD or PVD) of a sealing layer blocks the pores due to imperfect conformality. An alternating process can also be arranged by selection of pulse separation and/or pulse duration to achieve reduced conformality relative to a self-saturating, self-limiting atomic layer deposition (ALD) process. In still another arrangement, layers with anisotropic pore structures can be sealed by selectively melting upper surfaces. Blocking is followed by a self-limiting, self-saturating atomic layer deposition (ALD) reactions without significantly filling the pores.

29 Claims, 0 Drawing figures

h e b b g e e e f e c c e f b e

Exemplary Claim Number: 1  
Number of Drawing Sheets: 21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 6613508 B1

L4: Entry 5 of 20

File: USPT

Sep 2, 2003

US-PAT-NO: 6613508  
DOCUMENT-IDENTIFIER: US 6613508 B1

TITLE: Methods and compositions for analyzing nucleic acid molecules utilizing sizing techniques

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ness; Jeffrey Van	Seattle	WA		
Tabone; John C.	Bothell	WA		
Howbert; J. Jeffry	Bellevue	WA		
Mulligan; John T.	Seattle	WA		

US-CL-CURRENT: 435/6

ABSTRACT:

Tags and linkers specifically designed for a wide variety of nucleic acid reactions are disclosed, which are suitable for a wide variety of nucleic acid reactions wherein separation of nucleic acid molecules based upon size is required.

40 Claims, 48 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 6004434 A

L4: Entry 6 of 20

File: USPT

Dec 21, 1999

US-PAT-NO: 6004434  
DOCUMENT-IDENTIFIER: US 6004434 A

TITLE: Method of recycling cleaning solvent

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

h e b b g e e f e c c e f b e



NAME	CITY	STATE	ZIP CODE	COUNTRY
Kiany; Esfandiar	Chicago	IL		

US-CL-CURRENT: 203/3; 134/10, 134/12, 134/26, 203/55, 203/56, 203/63, 203/64,  
203/94, 203/98, 208/180, 208/184, 210/711 , 210/712, 210/727, 210/728, 210/729

## ABSTRACT:

A method of treating cleaning solvent used to clean mechanical parts. The method includes adding to the cleaning solvent a treating composition selected from the group of C.sub.5 -C.sub.14 alcohols, C.sub.2 -C.sub.8 diols, C.sub.10 -C.sub.14 polyols, and C.sub.4 -C.sub.14 glycol ethers, and mixtures thereof. A further embodiment includes the foregoing plus adding a clarifying agent from the group of aromatic, aliphatic and alkaryl sulfonic acids and sulfonic acid salts, esterified polyols, and alkyl phenol formaldehyde resins capped with alkoxy groups. The solvent is vaporized and condensed to effect recycling thereof without adding substituted quantities of treating composition to the solvent.

22 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KUMC	Draw De
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☐ 7. Document ID: US 5824442 A

L4: Entry 7 of 20

File: USPT

Oct 20, 1998

US-PAT-NO: 5824442

DOCUMENT-IDENTIFIER: US 5824442 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Developing method, image forming method, and heat fixing method, with toner

DATE-ISSUED: October 20, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanikawa; Hirohide	Yokohama			JP
Kawakami; Hiroaki	Yokohama			JP
Fujiwara; Masatsugu	Yokohama			JP
Kato; Kazunori	Mitaka			JP

US-CL-CURRENT: 430/45; 427/203, 427/366, 427/474, 430/120, 430/124, 430/126, 430/47

## ABSTRACT:

A toner for developing electrostatic images has toner particles containing a binder resin and a colorant, and fine titanium oxide particles or fine alumina particles. The surfaces of the fine titanium oxide particles or fine alumina particles have been subjected to an organic treatment and have a methanol wettability half value of 55% or more.

161 Claims, 22 Drawing figures  
Exemplary Claim Number: 71,72,73  
Number of Drawing Sheets: 20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw De
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☐ 8. Document ID: US 5352277 A

L4: Entry 8 of 20

File: USPT

Oct 4, 1994

US-PAT-NO: 5352277

DOCUMENT-IDENTIFIER: US 5352277 A

TITLE: Final polishing composition

DATE-ISSUED: October 4, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sasaki; Shigeo	Yokkaichi			JP

US-CL-CURRENT: 106/6, 106/197.01, 106/198.1, 106/205.9, 106/287.11, 106/287.13,  
106/287.14, 106/287.34, 106/3, 106/491, 106/5, 257/E21.23, 51/298, 51/308, 51/309

ABSTRACT:

A final polishing composition for polishing a silicon wafer used as a substrate crystal in electrical integrated circuits comprises water, colloidal silica, a water-soluble polymeric compound, and a water-soluble salt.

3 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw De
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☐ 9. Document ID: US 4724522 A

L4: Entry 9 of 20

File: USPT

Feb 9, 1988

US-PAT-NO: 4724522

DOCUMENT-IDENTIFIER: US 4724522 A

TITLE: Method and apparatus for modification of corneal refractive properties

DATE-ISSUED: February 9, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Belgorod; Barry M.	New York	NY	10021	

US-CL-CURRENT: 606/5; 219/121.74, 606/10, 606/13, 607/89

ABSTRACT:

A method and apparatus for modifying corneal refractive properties includes a laser source, computer control, and a plurality of deflectors including at least one rotating and translating deflector. A beam emitted from the laser source is deflected by the rotating and translating deflector in a controlled manner such that the beam strikes the cornea tangentially, ablating or lathing the contacted surface. The apparatus is computer controlled to intra-operatively determine the visual axis, monitor fixation, monitor changing refractive error, adjust the rotating and translating deflector and activate and deactivate the laser. The invention allows the radius of curvature of the cornea to be modified in vivo or in vitro. The cornea is lathed tangentially in either a natural or frozen state in an area centered about its optical axis, encompassing its optical zone. In one embodiment, a rotating arm, rotating in a plane perpendicular to the optical axis of the cornea, transmits the laser beam to the variable deflector.

50 Claims, 16 Drawing figures

Exemplary Claim Number: 1,13

Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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10. Document ID: US 4384980 A

L4: Entry 10 of 20

File: USPT

May 24, 1983

US-PAT-NO: 4384980

DOCUMENT-IDENTIFIER: US 4384980 A

TITLE: Co-crystallized acetylenic compounds

DATE-ISSUED: May 24, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patel; Gordhanbhai N.	Morris Plains	NJ		

US-CL-CURRENT: 436/58; 116/202, 116/207, 252/408.1, 427/270, 427/283, 436/147, 436/164, 436/905

ABSTRACT:

A composition is described comprising at least two co-crystallized acetylenic compounds, of different chemical structures, each containing at least one --C.tbd.C--C.tbd.C-- group and substituents selected from the group consisting of sulfonate, urethane and alcohol radicals, at least one of the compounds capable of undergoing a contrasting color change upon exposure to actinic radiation or thermal annealing, wherein the composition exhibits a substantially different thermogram than the sum of thermograms of the individual components as obtained by differential scanning calorimetry.

A device is also described useful for measuring the time-temperature or radiation-

h e b b g e e e f e c c e f b e

dosage history of an article comprising a substrate having deposited thereon the described composition.

A process is also described for producing the composition of this invention.

3 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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Term	Documents
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(L3 AND VAPORIZING ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	20

Display Format:

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)